

Stuber, Robyn

From: Denton, Debra
Sent: Wednesday, March 11, 2015 12:45 PM
To: Stuber, Robyn
Subject: FW: chart
Attachments: toxicity chart rejection memo.pdf

what do you think?

PEACE = Purposefully Express Appreciation and Compassion for Everyone Debra

Disclaimer: This message was written with voice activated software. It may contain errors. Some of them might be interesting. Observe the context and the meaning will, hopefully, be obvious.

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From: Breuer, Rich@Waterboards [rich.breuer@waterboards.ca.gov]
Sent: Wednesday, March 11, 2015 12:28 PM
To: Denton, Debra
Subject: chart



Dear Debra

I have created this draft chart to include in my draft memo explaining the withdrawal of the ATP approval. Please provide feedback on correct terminology and reference to federal code

Rich

Rich Breuer
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http://www.waterboards.ca.gov/water_issues/programs/swamp/

Code of Federal Regulations Part 136					
Permit Specifies What Test Species and Method	Test Design	Toxicological Endpoint	Statistical Analysis	Data Interpretation	Toxicity Determination
	Minimum = 5 Effluent Concentrations plus Control Concentration		Permit Specifies Either Hypothesis tests or Point Estimate		Compared to the Permit limit/Trigger
For Each Test Species There is a list of up to 23 Summary Test Conditions that are Required or Recommended		% Survival, Reduction in Growth, Reproduction, etc.	Hypothesis Test: (TST) Uses only 1 Effluent [] and One Control Concentration	Simple either Pass/Fail and Percent Effect	Definitive Result
		% Survival, Reduction in Growth, Reproduction, etc.	Hypothesis Test NOEC Point Estimate LC50 for Survival or EC25 for Growth	Complex Requires Greater Expertise to Interpret results	DEBATABLE